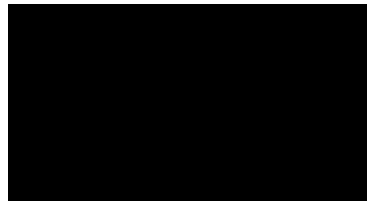


Perry



OUZ 1m/IRAPEA comments

Beth Brainard

Public Affairs Officer

US Dept. of Energy

Rocky Flats Office

PO Box 928 Golden, Colorado
80402 - 0928

Dear Ms Brainard,

This is public comment concerning OUZ Surface Water Interim Measures, Interim Remedial Action South Walnut Creek Basin.

In the plan for surface water treatment of radioactive waste in surface waters, your plan states "chemical precipitation with microfiltration followed by granular activated carbon absorption."

Water contaminated with Plutonium, Uranium, Radium, Strontium, Nickel, etc has a half-life of 10,000 to 80,000 years. When water comes in contact with these radionuclides, the water itself becomes radioactive.
(continued)

ADMIN RECORD

A-OUZ-100518

The water itself changes subatomically, and the water is deuterium or tritium or "heavy water." It is scientifically impossible to filter radioactive water that has changed subatomically. That would be like trying to filter H^+ ions out of water - subatomically filter out H^+ ions from ~~water~~ deuterium or tritium.

Then to discharge this radioactive water into South Walnut creek which feeds into the Great Western Reservoir will cause a disaster.

The Great Western Reservoir will have radioactive water in it, and it empties into Standley lake which will pollute the lake as well with radioactive water.

This mistaken idea that microfiltration will remove radioactivity from the water is erroneous and will only hurt people.

People have died from leukemia and cancer from drinking radioactive water in the past.

Finally, it is my opinion that it will only cause harm and is a waste of time to try to "microfilter" radioactive water which is deuterium or tritium. The water molecules themselves change subatomically, and it would ^{be} like trying to filter H⁺ ion subatomically out of a water molecule, according to Physics it's impossible.

Sincerely,

Rita Manley